

EMBEDDED MULTIPLE DESCRIPTION SCALAR QUANTIZERS FOR PROGRESSIVE IMAGE TRANSMISSION

Abstract of the Disclosure

5 A method and a device for transmission and/or reception of digital signals are disclosed. In one embodiment, the method comprises quantizing a source digital signal to generate with different quantizations at least a first and a second bit-stream, of which at least one bit-stream is generated by an embedded quantization, transmitting at least one of the at least first and second bit-streams and generating a dequantized digital signal from at least parts of one of the transmitted at least first and second bit streams, whereby if in the generation of the dequantized digital signal the parts of the at least first and second bit-streams are combined, the combined dequantized signal is generated by an embedded dequantizer having at least two quantization levels and having at least one quantization interval at each quantization level which is finer than quantization intervals for dequantizing any of the at least first and second bit-streams.

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